

Title (en)

ELECTRON-OPTICAL DEVICE WITH MEANS FOR PROTECTING EMITTER FROM INCIDENT PARTICLES

Title (de)

ELEKTRONENOPTIKEINRICHTUNG MIT EINEM EMITTERSCHUTZMITTEL GEGEN AUFFALLENDE TEILCHEN

Title (fr)

DISPOSITIF OPTIQUE A ELECTRONS MUNI D'UN ELEMENT SERVANT A PROTEGER L'EMETTEUR DE PARTICULES INCIDENTES

Publication

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Application

EP 96926543 A 19960826

Priority

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- EP 95202373 A 19950904
- IB 9600856 W 19960826

Abstract (en)

[origin: WO9709732A1] Electron-optical device having an electron-emitting region, a longitudinal axis and an arrangement of apertured electron grids along the axis. The first grid has an aperture for passing electrons, which aperture is located further outwards with respect to the longitudinal axis than the emitting region. One of the further grids is provided with a shield so as to shield the edge wall of the aperture, if it is located within direct view of the electron-emitting region, from incidence of positive ions.

IPC 1-7

H01J 3/40; **H01J 29/84**; **H01J 1/46**

IPC 8 full level

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CPC (source: EP US)

H01J 29/04 (2013.01 - EP US); **H01J 29/488** (2013.01 - EP US); **H01J 2201/308** (2013.01 - EP US)

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